IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jong Seob LEE et al.

Group Art Unit: Unassigned

Application No.: Unassigned

Examiner: Unassigned

Filing Date:

February 19, 2004

Confirmation No.: Unassigned

Title: GENE CONTROLLING FLOWERING TIME OF PLANTS AND METHOD FOR MANIPULATING FLOWERING TIME OF PLANT USING THE SAME

FIRST INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir

SII.						
the ab	Enclosed is a <u>FIRST</u> Information Disclopove-identified patent application.	sure	Statement and accompanying form PTO-1449 for			
	No additional fee for submission of an IDS is required. The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed. A statement under 37 C.F.R. § 1.97(e) is also enclosed. A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed. Charge to Deposit Account No. 02-4800 for the fee due.					
			ppropriate fees under 37 C.F.R. §§ 1.16, 1.17 and overpayment, to Deposit Account No. 02-4800.			
		Res	pectfully submitted,			
		BUF	RNS, DOANE, SWECKER & MATHIS, L.L.P.			
Alexa	Box 1404 ndria, Virginia 22313-1404 836-6620	Ву	Susan M. Dadio			
Date:	February 19, 2004		Registration No. 40 373			

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For: GENE CONTROLLING FLOWERING)
TIME OF PLANTS AND METHOD)
FOR MANIPULATING FLOWERING)
TIME OF PLANT USING THE SAME)

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

U.S. PATENT DOCUMENTS

- 1. U.S. Patent No. 6,225,530 B1, Wiegel et al., issued May 1, 2001
- 2. U.S. Patent No. 6,444,877 B1, Rottman, issued September 3, 2002

NON-PATENT DOCUMENTS

- Poethig, R., "Phase Change and the Regulation of Shoot Morphogenesis in Plants." Science, vol. 250, 1990, pp. 923-930. Amer. Assn. for the Advancement of Science, Washington, D.C.
- 2. Simpson et al., "When to Switch to Flowering." Annu. Rev. Cell Dev. Biol. 15, 1999, pp. 519-550. Annual Reviews, Palo Alto, CA.
- 3. Araki, T., "Transition from vegetative to reproductive phase." Curr. Opin. Plant Biol. 4, 2001, pp. 63-68. Current Biology, Ltd., London, England.
- Levy, Y. et al., "The Transition to Flowering." The Plant Cell, Vol. 10, 1998, pp. 1973-1989. American Society of Plant Physiologists, Rockville, MD.

Information Disclosure Statement Application No. <u>Unassigned</u> Attorney's Docket No. 012679-105

Page 2

5. Hepworth, S.R. et al., "Antagonistic regulation of flowering-time gene SOCI by CONSTANS and FLC via separate promoter motifs." EMBO Journal, Vol. 21, 2002, pp. 4327-4337. Oxford University Press; Oxford, England.

6. Duval, M. et al., "Molecular characterization of AtNAM: a member of the Arabidopsis NAC domain superfamily." Plant Molecular Biology, Vol. 50, 2002, pp. 237-248. Kluwer Academic, Dordrecht, Holland.

Michaels, S. et al., "FLOWERING LOCUS C Encodes a Novel MADS 7. Domain Protein That Acts as a Repressor of Flowering." The Plant Cell, Vol. 11, May 1999, pp. 949-956. American Society of Plant Physiologists, Rockville, MD.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b) no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: February 19, 2004

Registration No. 40,373

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

		SHEET T OF T
Substitute for forms 1449A/PTO & 1449B/PTO	ATTORNEY'S DKT No. 012679-105	APPLICATION NO. Unassigned
	APPLICANT	
FIRST INFORMATION DISCLOSURE	Jong Seob LEE et al.	
STATEMENT BY APPLICANT	FILING DATE	GROUP
	February 19, 2004	Unassigned

			J.S. PATENT DOC	UMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document				Issue/Publication Date (MM-DD-YYYY)		
	6,225,530	B1	Weigel et al.			05	05-01-2001		
	6,444,877	6,444,877 B1 Rottmann					09-03-2002		
		FO	REIGN PATENT DO	OCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Cou	ntry	Date of Put (MM-DD-)		Trans Yes	No.	
NON PATENT LITERATURE DOCUMENTS Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.									
	Poethig, R., "Phase Change and the Regulation of Shoot Morphogenesis in Plants." Science, Vol. 250, 1990, pp. 923-930. Amer. Assn. for the Advancement of Science, Washington, D.C. Simpson et al., "When to Switch to Flowering." Annu. Rev. Cell Dev. Biol., Vol. 15, 1999, pp. 519-550 Annual Reviews, Palo Alto, CA. Araki, T., "Transition from vegetative to reproductive phase." Curr. Opin. Plant Biol., Vol. 4, 2001, pp.								
	63-68. Current Biology, Ltd., London, England. Levy, Y. et al., "The Transition to Flowering." The Plant Cell, Vol. 10, 1998, pp. 1973-1989. American Society of Plant Physiologists, Rockville, MD.								
	Hepworth, S.R. et al., "Antagonistic regulation of flowering-time gene <i>SOC1</i> by CONSTANS and FLC via separate promoter motifs." EMBO Journal, Vol. 21, 2002, pp. 4327-4337. Oxford University Press, Oxford, England.								
	Duval, M. et al., "Molecular characterization of <i>AtNAM</i> : a member of the <i>Arabidopsis</i> NAC domain superfamily." Plant Molecular Biology, Vol. 50, 2002, pp. 237-248. Kluwer Academic, Dordrecht, Holland.								
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Examiner Signature				Date Considered					

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.